

Title (en)

CONTINUOUSLY VARIABLE TRANSMISSION AND METHOD FOR CONTROLLING CONTINUOUSLY VARIABLE TRANSMISSION

Title (de)

STUFENLOSES GETRIEBE UND VERFAHREN ZUR STEUERUNG EINES STUFENLOSEN GETRIEBES

Title (fr)

TRANSMISSION À VARIATION CONTINUE ET PROCÉDÉ DE COMMANDE DE TRANSMISSION À VARIATION CONTINUE

Publication

**EP 3546800 A4 20200219 (EN)**

Application

**EP 16922424 A 20161124**

Priority

JP 2016084828 W 20161124

Abstract (en)

[origin: EP3546800A1] A method for controlling a continuously variable transmission is a control method for controlling in/out of oil to/from a primary oil chamber by using an oil pump provided in an oil passage between the primary oil chamber and a secondary oil chamber. The method for controlling the continuously variable transmission includes: a current command value calculation step of calculating a current command value for the oil pump in accordance with an operating state; a current limiting step of limiting the current command value to a lower-limit current at which belt slip does not occur when an oil pressure in the primary oil chamber falls below a lower-limit oil pressure in the primary oil chamber at which the belt slip does not occur; and a pump control step of driving the oil pump by using the current command value to control a piston position of the primary oil chamber.

IPC 8 full level

**F16H 61/02** (2006.01); **F16H 61/00** (2006.01); **F16H 61/662** (2006.01)

CPC (source: EP US)

**F01M 1/16** (2013.01 - US); **F16H 7/023** (2013.01 - US); **F16H 57/0489** (2013.01 - US); **F16H 61/0025** (2013.01 - EP); **F16H 61/0204** (2013.01 - EP); **F16H 61/66259** (2013.01 - EP); **F01M 2001/023** (2013.01 - US)

Citation (search report)

- [A] JP 2000193075 A 20000714 - NISSAN MOTOR
- [A] JP 2002340160 A 20021127 - TOYOTA MOTOR CORP
- [A] JP 2000240782 A 20000905 - DENSO CORP
- [A] JP 2012219946 A 20121112 - HONDA MOTOR CO LTD
- [AD] JP 2008240894 A 20081009 - JTEKT CORP
- See references of WO 2018096623A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3546800 A1 20191002**; **EP 3546800 A4 20200219**; **EP 3546800 B1 20210519**; CN 109964064 A 20190702; CN 109964064 B 20200619; JP 6699754 B2 20200527; JP WO2018096623 A1 20191031; MX 2019005806 A 20190812; US 10815846 B2 20201027; US 2020063613 A1 20200227; WO 2018096623 A1 20180531

DOCDB simple family (application)

**EP 16922424 A 20161124**; CN 201680090941 A 20161124; JP 2016084828 W 20161124; JP 2018552328 A 20161124; MX 2019005806 A 20161124; US 201616462604 A 20161124